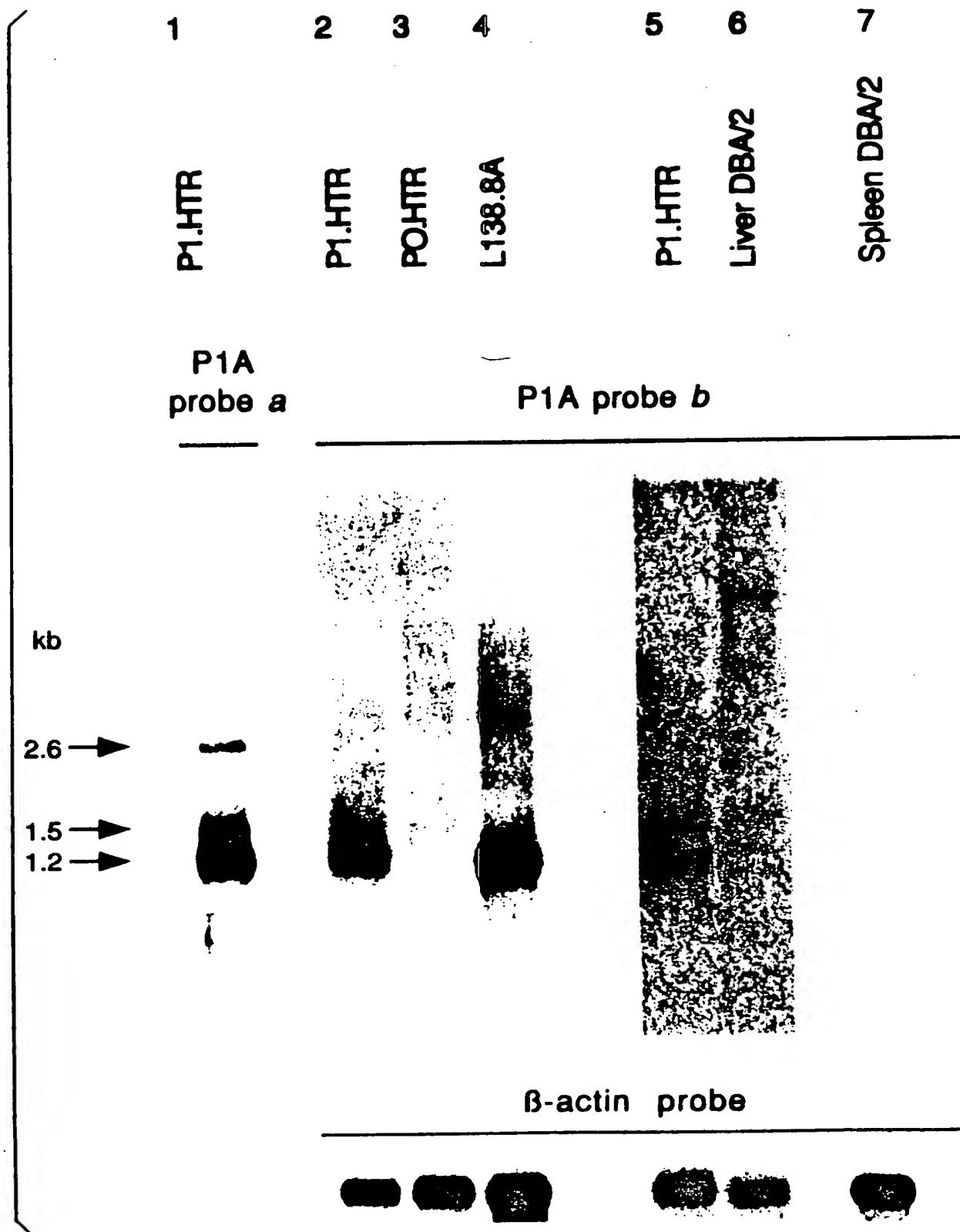


FIG. 4



Leu-Pro-Tyr-Leu-Gly-Trp-Leu

Figure 10

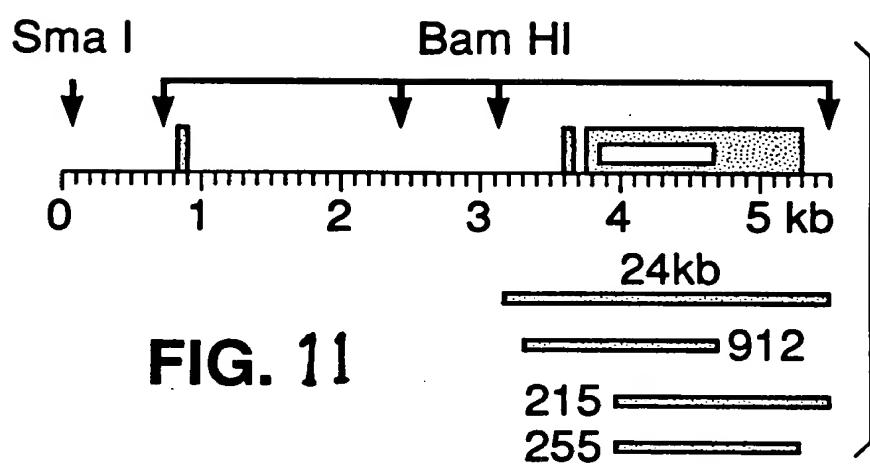


FIG. 11

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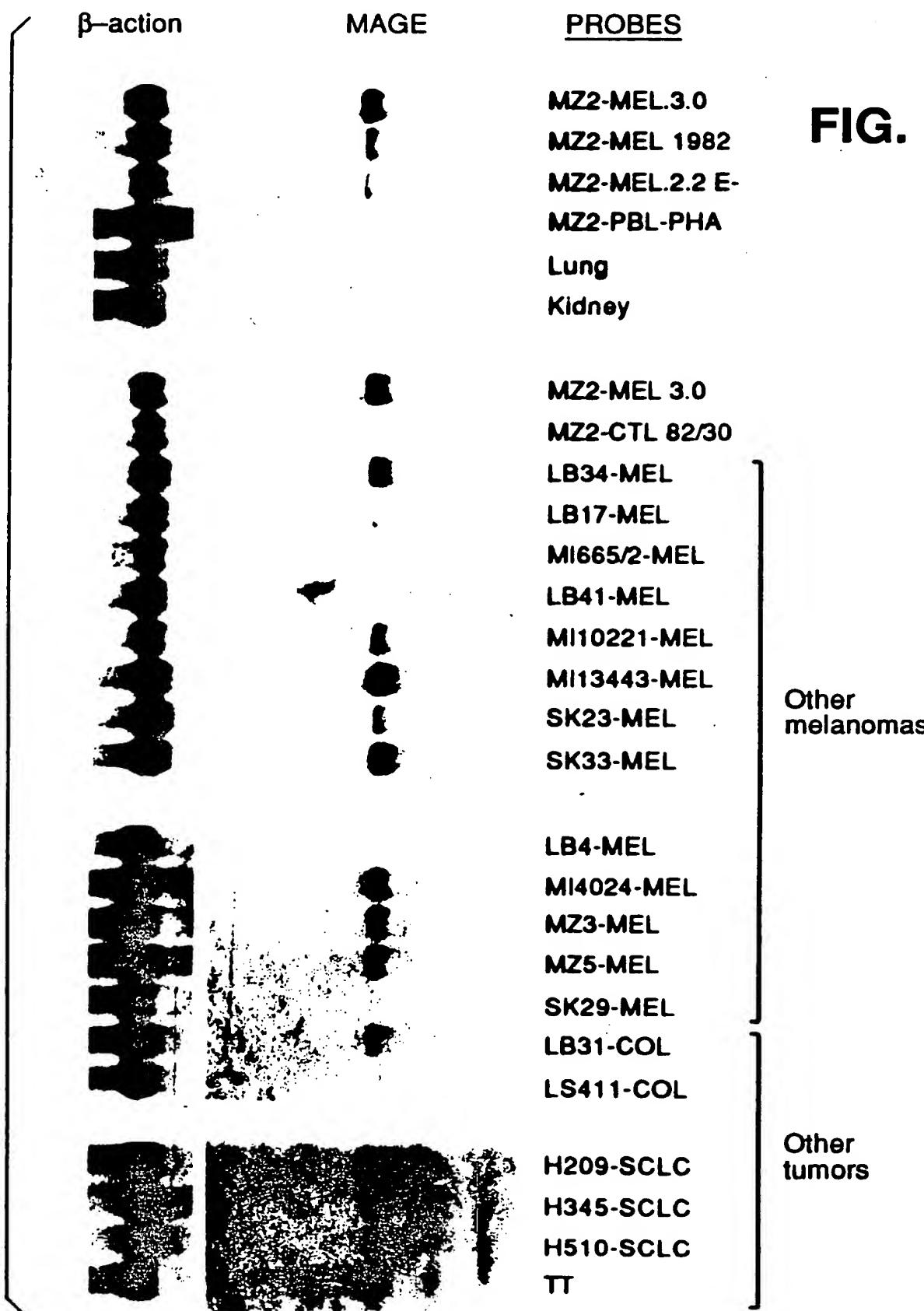


FIG. 14

Expression of antigen M22-E after transfection**

		EXPRESSION OF MAGE GENE FAMILY			RECOGNITION BY ANI-E CTL	
		Northern blot probed with cross-reactive MAGE-1 probe*	cDNA-PCR product probed with oligonucleotide specific for:		tested by:	
Cells of patient M22	melanoma cell line M22-MEL3.0	+	++++	++++	+++	+
	tumor sample M22 (1982)	+	+++	+++	+++	-
	antigen-loss variant M22-MEL2.2	+	-	+++	+++	-
	CTL clone M22-CTL82/30	-	-	-	-	-
	PHA-activated blood lymphocytes	-	-	-	-	-
Normal tissues	Liver	-	-	-	-	-
	Muscle	-	-	-	-	-
	Skin	-	-	-	-	-
	Lung	-	-	-	-	-
	Brain	-	-	-	-	-
	Kidney	-	-	-	-	-
Melanoma cell lines of HLA-A1 patients	LB34-MEL	+	++	++++	+++	+
	MI665/2-MEL	-	-	-	-	-
	MI10221-MEL	+	-	++	++	-
	MI13443-MEL	+	+++	++++	+++	+
	SK33-MEL	+	-	++++	+++	-
	SK23-MEL	+	-	++++	+++	-
Melanoma cell lines of other patients	LB17-MEL	+	+	++++	+++	-
	LB33-MEL	+	-	+++	++	-
	LB4-MEL	-	-	-	-	-
	LB41-MEL	-	-	-	-	-
	MI4024-MEL	+	+++	++++	+++	-
	SK29-MEL	-	-	-	-	-
	MZ3-MEL	+	+	++++	+++	-
	MZ5-MEL	+	-	++++	+++	-
Melanoma tumor sample	BB5-MEL	+	+++	++	+++	-
Other tumor cell lines	small cell lung cancer H209	+	-	++++	+++	-
	small cell lung cancer H345	+	-	++++	+++	-
	small cell lung cancer H510	+	-	++++	+++	-
	small cell lung cancer LB11	+	+	+++	+++	-
	bronchial squamous cell carcinoma LB37	+	-	-	++	-
	thyroid medullary carcinoma TT	+	+++	+++	+++	-
	colon carcinoma LB31	+	-	++	+++	-
	colon carcinoma LS411	-	-	-	-	-
Other tumor samples	chronic myeloid leukemia LLC5	-	-	-	-	-
	acute myeloid leukemia TA	-	-	-	-	-

* Data obtained in the conditions of figure 5.

† Data obtained as described in figure 6.

‡ TNF release by CTL 82/30 after stimulation with the tumor cells as described in (11).

§ Lysis of 51 Cr labelled target by CTL 82/30 in the conditions of figure 1.

** Cells transfected with the 2.4 kb fragment of gene MAGE-1 were tested for their ability to stimulate TNF release by CTL 82/30

FIG. 15

